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**MICHAEL O. SCHEINBERG**  
Patent Attorney

***AFTER FINAL  
PLEASE EXPEDITE***

December 19, 2005

**Fax**

Name: Examiner Michael T. Cygan  
Art Unit: 2855  
Organization: United States Patent and Trademark Office  
Fax: 1-571-273-8300

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Date: December 19, 2005  
Subject: Response to Office Action  
Docket No.: F033-3  
Pages: 17 (including this coversheet)

APPLICATION No.: 10/763,061      ART UNIT: 2855  
FILING DATE: January 22, 2004      EXAMINER: Michael T. Cygan  
INVENTOR(S): Randall Lee, Thomas Owen Mitchell and J. J. L. Mulders  
TITLE: Directed Growth of Nanotubes on a Catalyst

Attached please find:

1. Response to September 7, 2005 Office Action (11 p.)
2. Petition for 1 month Extension of Time (1 p.) (in duplicate)
3. Fee Transmittal (1 p.) (in duplicate)
4. PTO-2038 (1 p.)

Michael O. Scheinberg  
Patent Reg. No.: 36,919

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DEC 19 2005

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PTO/SB/17 (12-04v2)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)

320.00

**Complete if Known**

Application Number	10/763,081
Filing Date	January 22, 2004
First Named Inventor	Lee, Randall
Examiner Name	Cygan, Michael T.
Art Unit	2855
Attorney Docket No.	F033-3

**METHOD OF PAYMENT (check all that apply)**

☐ Check ☒ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 50-1635 Deposit Account Name: Michael O. Scheinberg

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

**Total Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20.

**Indep. Claims**      **Extra Claims**      **Fee (\$)**      **Fee Paid (\$)**

5 - 3 or HP = 1 x 200 = 200.00

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
100				

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Petition for One Month Extension of Time

120.00

**SUBMITTED BY**

Signature	Registration No. 38,919	Telephone (512) 328-9510
Name (Print/Type) Michael O. Scheinberg	(Attorney/Agent)	Date December 19, 2005

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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P. 003

PTO/SB/H7 (12-04v2)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/09/2004,  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**  
**For FY 2005**☐ Applicant claims small entity status. See 37 CFR 1.27

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Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 = _____ / 50 = _____ (round up to a whole number) x _____ = _____				

**4. OTHER FEE(S)**

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Fees Paid (\$)

120.00

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Signature		Registration No. (Attorney/Agent) 36,919	Telephone (512) 328-9510
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